|   | Index of Claims   |               |              |          |          |          |          |           |          |                 |          |          |          | Application/Control No.     |           |            |              |          |           |                    |          |          | Applicant(s)/Patent under Reexamination |                   |          |                 |          |          |          |                    |  |    |  |
|---|-------------------|---------------|--------------|----------|----------|----------|----------|-----------|----------|-----------------|----------|----------|----------|-----------------------------|-----------|------------|--------------|----------|-----------|--------------------|----------|----------|---|-------------------|----------|-----------------|----------|----------|----------|--------------------|--|----|--|
|   |                   |               | ,,,<br>      |          |          | ,<br>    |          | , 1 a<br> |          | /3<br>[]] []    |          |          |          |                             |           | 09/937,664 |              |          |           |                    |          |          |   |                   |          | OSAWA, HIDEHARU |          |          |          |                    |  |    |  |
|   |                   |               |              |          |          |          |          |           |          |                 |          |          |          |                             |           | Examiner   |              |          |           |                    |          |          |   |                   | Art Unit |                 |          |          |          |                    |  |    |  |
|   |                   |               |              |          |          |          |          |           |          |                 |          |          |          |                             |           | Ana        | nabel M. Ton |          |           |                    |          |          |   |                   | 2875     |                 |          |          |          |                    |  |    |  |
|   |                   |               |              |          |          |          |          |           |          |                 |          |          |          |                             |           | 7          |              |          |           |                    |          |          |   |                   |          |                 |          |          |          |                    |  |    |  |
|   | √ Rejected – (Thr |               |              |          |          |          |          |           |          |                 |          |          |          | rough numeral)<br>Cancelled |           |            |              | N Non-El |           |                    | Elec     | ted      | ed                                      |                   | Appeal   |                 |          |          |          |                    |  |    |  |
|   | = Allowed         |               |              |          |          |          |          |           |          | ÷ Restricted    |          |          |          |                             |           | I Interfe  |              |          |           | fere               | ence     |          |   | Objected          |          |                 |          |          |          |                    |  |    |  |
| ſ | Claim Date        |               |              |          |          |          |          | !         |          |                 | _        | Cla      | Claim    |                             |           |            | Dat          |          |           | <del></del>        |          |          | Claim                                   |                   | Date     |                 |          |          |          |                    |  |    |  |
| } |                   |               | 9            |          |          | Ť        |          | T         | П        |                 |          |          |          | T                           |           |            |              | Τ        |           |                    |          |          |   |                   |          | T               | 1        |          |          |                    |  |    |  |
|   | Final             | Original      | 100          |          |          |          |          |           |          |                 |          | Final    | Original |                             |           |            |              |          |           |                    |          | Final    | Original                                |                   |          | .               |          |          |          |                    |  |    |  |
|   |                   | 1             | 3            |          | -        | $\dashv$ |          | $\dashv$  | +        | +               | $\dashv$ |          | 51       | +                           | +         | +          | +            |          |           |                    | _        |          | 101                                     |                   |          |                 |          | $\pm$    | İ        |                    |  |    |  |
|   |                   | 2             | 1            |          |          |          |          |           |          |                 |          |          | 52       |                             | 1         |            | _            |          |           |                    |          |          | 102                                     |                   | _        |                 |          |          | 4        | $\bot$             | Ш                                      |    |  |
|   | -                 | <u>3</u>      | 7            | $\dashv$ | _        | _        | $\dashv$ |           | $\dashv$ | -               | -        | -        | 53<br>54 | +                           | +         | +          | ╀            | +        | -         | $\vdash$           | $\dashv$ | -        | 103<br>104                              | +                 | $\dashv$ | +               | +        | +        | +        | +-                 | Н                                      |    |  |
| ľ |                   | 5             |              | -        | -        | -        | $\dashv$ | -         | -        | -               | $\dashv$ | <b>—</b> | 55       | ╁                           | +         | +          | ╁            | +-       |           | H                  |          |          | 105                                     |                   |          |                 |          |          | 1        |                    |  |    |  |
| Ì |                   | 6             | V            |          |          |          |          |           |          |                 |          |          | 56       |                             |           |            | Ţ            |          |           |                    |          |          | 106                                     |                   |          |                 | _        | _        | 1        | $\perp$            |  |    |  |
|   |                   | 7             | Ĺ            | $\dashv$ | _        | _        |          |           | _        |                 | _        |          | 57       | -                           | +         | $\bot$     | -            | +        | ـ         | -                  |          | _        | 107                                     | $\vdash$          | $\dashv$ | -               | +        | +        | +        | +                  | H                                      |    |  |
|   |                   | <u>8</u><br>9 | H            |          |          |          |          | $\dashv$  | $\dashv$ | -+              | $\dashv$ |          | 58<br>59 | +                           | $\dashv$  | +-         | ╁            | ╫        | ┼         | $\vdash$           | $\dashv$ |          | 109                                     | +                 | $\dashv$ | $\dashv$        | +        |          | +        | +                  | H                                      |    |  |
| ŀ |                   | 10            | $\vdash$     |          | ᅱ        | -        | $\dashv$ | $\dashv$  | $\dashv$ |                 |          |          | 60       | -+                          | $\top$    | +-         | +            | ╈        | -         | $\Box$             | $\dashv$ |          | 110                                     | $\Box$            |          |                 |          |          | T        |                    |  |    |  |
| ļ |                   | 11            |              |          |          |          |          |           |          |                 |          |          | 61       |                             |           |            | I            |          |           |                    |          |          | 111                                     |                   |          |                 | 1        | $\perp$  | 1        |                    | Ш                                      |    |  |
|   |                   | 12            |              |          |          |          | _        |           |          |                 | _        |          | 62       | $\perp$                     | $\perp$   | 4-         | $\perp$      | ┿        | -         | $\square$          | _        | $\vdash$ | 112<br>113                              |                   | _        | _               | -        | +        | +        | +-                 | Н                                      |    |  |
|   |                   | 13<br>14      |              |          | _        |          | $\dashv$ | $\dashv$  |          | $\dashv$        | $\dashv$ | -        | 63<br>64 | +                           | +         | +          | +            | ╁        | $\vdash$  | $\vdash$           |          | -        | 114                                     | $\vdash$          | $\dashv$ |                 | +        | +        | ╁        |                    | $\vdash$                               |    |  |
|   |                   | 15            |              |          |          |          | -        |           | -        | $\dashv$        | $\dashv$ | -        | 65       | +                           | +         | +          | t            |          |           | H                  |          |          | 115                                     | $\dagger \dagger$ |          |                 |          |          |          |                    |  |    |  |
| Ì |                   | 16            |              |          |          |          |          |           |          |                 |          |          | 66       |                             |           |            |              |          |           |                    |          |          | 116                                     |                   |          |                 | $\perp$  | $\perp$  | Ţ        | $\perp$            |  |    |  |
|   |                   | 17            |              |          |          |          |          | $\Box$    |          | _               | _        |          | 67       | $\dashv$                    | 4         | _          | +            | -        | -         | Н                  |          | <u> </u> | 117                                     |                   |          | _               | +        | +        | +        |                    | -                                      |    |  |
|   |                   | 18<br>19      |              |          |          | $\dashv$ | -        | -         | $\dashv$ | -+              | -        | -        | 68<br>69 | +                           | +         | +          | +            | -        | ╁         | $\vdash$           |          | -        | 119                                     |                   | $\dashv$ | $\dashv$        | $^+$     |          | +        | +                  | $\vdash$                               |    |  |
| ı |                   | 20            | -            | $\vdash$ |          |          | $\dashv$ | -         | 7        | $\dashv$        | $\dashv$ | -        | 70       | $\dashv$                    | $\dagger$ | 十          | +            | ╁        | $\dagger$ | Н                  |          |          | 120                                     |                   |          |                 |          |          |          |                    |  |    |  |
| 1 |                   | 21            |              |          |          |          |          |           |          |                 |          |          | 71       |                             | $\perp$   | $\Box$     |              |          |           |                    |          |          | 121                                     |                   |          | _               | 1        | $\perp$  | 1        | _                  |  |    |  |
|   |                   | 22            |              |          |          |          |          | _         |          |                 | _        |          | 72       | -                           | 4         | _          | $\downarrow$ | -        | 1         |                    |          | -        | 122<br>123                              | +                 | -        | -               | +        | -        | +        | +                  | ╁                                      |    |  |
|   |                   | 23<br>24      |              |          |          |          | -        |           | $\dashv$ |                 | -        |          | 73<br>74 | -                           | +         | +          | +            | +        | +         | -                  | -        | -        | 123                                     |                   | ┪        | -+              | +        | _        | +        | +                  | +                                      |    |  |
|   |                   | 25            | H            | $\vdash$ |          | $\dashv$ | -        | $\dashv$  | -        | -               |          |          | 75       | 1                           | ╁         | +          | $\dagger$    | 1        | T         |                    | 7        |          | 125                                     |                   |          |                 |          |          |          |                    |  | li |  |
|   |                   | 26            |              |          |          |          |          |           |          |                 | _        |          | 76       |                             | $\Box$    |            |              |          |           | П                  |          |          | 126                                     |                   |          | _               | _        | $\perp$  |          | _                  | ļ.,                                    |    |  |
|   |                   | 27            |              |          |          |          |          |           |          | _               | 4        |          | 77       |                             | _         | -          | +            | -        | ╀-        | $\sqcup$           |          | <u> </u> | 127<br>128                              |                   |          |                 | +        | +        | +        | -                  | $\vdash$                               |    |  |
|   |                   | 28<br>29      | <del> </del> |          |          | -        |          |           |          | $\dashv$        | $\dashv$ | $\vdash$ | 78<br>79 |                             | -+        | +          | +-           | +        | +         | $\vdash$           | $\dashv$ | $\vdash$ | 129                                     |                   |          | -               | t        |          | +        | +                  | +                                      |    |  |
|   |                   | 30            |              |          | -        |          |          |           | -        | 1               | $\dashv$ |          | 80       |                             | -+        | Ť          | +            | $\top$   |           |                    |          |          | 130                                     |                   |          |                 | 1        |          |          |                    |  |    |  |
|   |                   | 31            |              |          |          |          |          |           |          |                 |          |          | 81       |                             |           |            |              |          | ļ         |                    |          |          | 131                                     | Ц.                |          | _               | _        | _ -      | $\perp$  | $\perp$            | _                                      |    |  |
| 1 |                   | 32            | <u> </u>     |          |          |          |          |           |          | _               |          |          | 82       |                             |           | 4          | -            | _        | -         |                    | _        | -        | 132<br>133                              |                   |          |                 | +        | +        | ╁        | _                  | ┼                                      |    |  |
|   |                   | 33<br>34      | -            | Н        |          | -        | -        | $\dashv$  | -        | -               | -        |          | 83<br>84 | $\dashv$                    | $\dashv$  | +          | +            |          | +         | $\left  - \right $ |          | -        | 134                                     | +                 | -        | $\dashv$        | +        | $\dashv$ | ╁        | ┿                  | <del>  -</del>                         |    |  |
|   |                   | 35            |              |          |          |          | -        |           |          | $\dashv$        | $\dashv$ |          | 85       | 7                           | $\dashv$  | $\dashv$   | _            | $\top$   | ╁╴        | $\Box$             |          |          | 135                                     |                   |          |                 |          |          |          |                    |  |    |  |
|   |                   | 36            |              |          |          |          |          |           |          |                 |          |          | 86       | $\Box$                      |           |            |              |          |           |                    |          |          | 136                                     | $oxed{\bot}$      |          | _               |          | _        | $\perp$  |                    | ــــــــــــــــــــــــــــــــــــــ |    |  |
|   |                   | 37            |              | Ш        |          |          |          | -         |          |                 | 4        |          | 87       |                             | $\dashv$  | -          | -            | +        | +-        | $\vdash$           |          | $\vdash$ | 137<br>138                              |                   | $\dashv$ | -+              | +        | +        | +        |                    | -                                      |    |  |
|   |                   | 38<br>39      | ├-           | $\vdash$ | _        |          |          | -         |          |                 | $\dashv$ | -        | 88       |                             | +         | ╁          | +            | ╁        | ╫         | $\vdash$           | $\dashv$ | -        | 139                                     | $\dagger$         | $\dashv$ | $\dashv$        | +        | +        | +        | _                  | +                                      |    |  |
|   | -                 | 40            | +            | H        | $\vdash$ | $\vdash$ | H        | Н         | -        | $\dashv$        | $\dashv$ |          | 90       | _                           | _†        | +          | +            | +        | 1         |                    |          |          | 140                                     |                   |          |                 |          |          | $\perp$  |                    | 1_                                     |    |  |
|   |                   | 41            |              |          |          |          |          |           |          | $\Box$          |          |          | 91       |                             | $\Box$    |            | Ţ            | T        |           | П                  | $\Box$   |          | 141                                     |                   |          | $\Box$          | $\perp$  |          | 4        | $\perp$            | ļ_                                     |    |  |
|   |                   | 42            | μ_           |          | $\vdash$ | $\Box$   | _        |           | Щ        |                 | _        | <u> </u> | 92       | $\dashv$                    | $\dashv$  | +          | - -          | +        | -         | $\vdash$           | $\dashv$ | -        | 142<br>143                              |                   | _        | +               | -        | +        | +        | +                  | $\vdash$                               |    |  |
|   | <u> </u>          | 43<br>44      | -            |          |          | $\vdash$ |          | Н         |          |                 | $\dashv$ |          | 93<br>94 | $\dashv$                    | $\dashv$  | +          | +            | +        | +-        | $\vdash$           | $\dashv$ |          | 143                                     |                   | -        | $\dashv$        | +        | $\dashv$ | $\dashv$ | +                  | +                                      | 1  |  |
|   |                   | 45            | +            | -        |          | H        |          |           | -        | $\dashv$        | $\dashv$ | -        | 95       | 十                           | $\dashv$  | +          | $\dagger$    | +        | +         | $\dagger \exists$  | $\dashv$ |          | 145                                     |                   |          | 寸               | _        |          | $\perp$  |                    | $\perp$                                | ]  |  |
|   |                   | 46            |              |          |          |          |          |           |          |                 |          |          | 96       |                             |           | 丰          |              |          | L         |                    |          |          | 146                                     | T                 |          | $\Box$          | 1        | $\perp$  | Ţ        | $oldsymbol{\perp}$ |  |    |  |
|   |                   | 47            | $\bot$       |          |          |          |          |           |          | $\Box$          | $\dashv$ | <u> </u> | 97       | $\dashv$                    | -         | -          | -            | 4        | $\perp$   | $\vdash$           |          | -        | 147<br>148                              |                   |          |                 | +        | $\dashv$ | +        | +                  | 1                                      |    |  |
|   | <del> </del>      | 48<br>49      | $\vdash$     | $\vdash$ | _        | $\vdash$ | -        |           |          | $\vdash \vdash$ | $\dashv$ | -        | 98<br>99 | -                           | $\dashv$  | +          | +            | +        | +-        | $\vdash$           | $\dashv$ | $\vdash$ | 148                                     |                   | Н        | -+              | $\dashv$ | +        | +        | +                  | +                                      | 1  |  |
|   |                   | 50            | +-           |          | -        | H        |          | $\vdash$  | -        | $\vdash \vdash$ | $\dashv$ |          | 100      | $\dashv$                    | $\dashv$  | $\dashv$   | +            | +        | $\dagger$ | $\forall$          | $\vdash$ |          | 150                                     |                   | $\Box$   | _               | _        | $\Box$   | _        | $\perp$            |  | 1  |  |
|   |                   |               |              |          |          |          |          |           |          |                 |          |          |          |                             |           |            |              |          |           |                    |          |          |   |                   |          |                 |          |          | _        |                    |  |    |  |